NWS Form E-5 **U.S. DEPARTMENT OF COMMERCE** **(04-2006)** **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION** **(PRES. BY NWS Instruction 10-924)** **NATIONAL WEATHER SERVICE**	HYDROLOGIC SERVICE AREA (HSA) **San Angelo, TX**
MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH: **September** YEAR: **2006**
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283	SIGNATURE Jason Johnson DATE **October 15, 2006**

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X An X inside this box indicates that no flooding occurred within this hydrologic service area.

Moderate to extreme drought conditions continued across the HSA during the month of September. During the first half of the month, areas across the Big Country and western Concho Valley experienced improvements in drought conditions due to several beneficial rainfall events.

Rainfall during the first half of the month brought much needed moisture to parched areas across west central Texas. From Labor Day Weekend through September 17th, scattered areas across the central Big Country and Northwest Hill Country received over five inches of rain. Much of this area received widespread two to four inches of rain. Across the Concho Valley, Northern Edwards Plateau and Heartland, isolated areas received two to three inches of rain. The remainder of this area received widespread 0.50 to 1.5 inches of rain.

The rainfall coverage and total amounts were enough to ease agricultural drought conditions across portions of the Big Country and Concho Valley. Since last winter, crop production has been devastated by the continued drought. The September rainfall gave a boost to agricultural areas and helped to replenish some of the soil moisture needed for fall planting.

Localized heavy rainfall produced a few minor rises in creeks and rivers across the HSA. While the rainfall events provided short term relief in a few areas, most of the creeks and rivers across the region continue to report below normal flows for this time of the year. Only minor amounts of runoff were delivered into the area lakes. A few locations experienced a minor rise in pool levels.

The San Angelo Regional Airport received 2.60 inches of precipitation during September, which is 0.35 of an inch below normal for the month. The monthly normal rainfall for San Angelo in September is 2.95 inches. From January through September, San Angelo received 14.60 inches of rain. Normal rainfall for San Angelo during this period is 16.30 inches.

The Abilene Regional Airport received 3.17 inches of rain during September, which is 0.26 of an inch above normal for the month. The monthly normal rainfall for Abilene in September is 2.91 inches. From January through September, Abilene received 18.06 inches of rain. Normal rainfall for Abilene during this period is 18.31 inches.

Coop Observer Rainfall Totals for September, 2006:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	2.64	Oak Creek Lake	4.33
Acton Ranch	M	Ozona	M
Albany	2.91	Ozona 22SE	1.53
Anson	2.85	Paint Rock	1.93
Ballinger 2NW	1.91	Putnam	3.23
Brady	2.18	Red Bluff Crossing	0.78
Brownwood	2.64	Richland Springs	2.20
Burkett	1.57	Robert Lee	3.19
Coleman	1.04	Roscoe	M
Concho Park	1.09	Rotan	4.62
Eden	0.94	San Angelo 15WNW	1.65
Eldorado	1.10	San Angelo WFO	2.49
Eldorado 10W	M	San Saba 7NW	1.42
Eldorado 12N	1.73	Silver Valley	2.86
Fort Griffin	2.95	Sonora	2.03
Fort McKavett	0.87	Stamford	2.86
Glen Cove	1.88	Sterling City	M
Hamlin	4.04	Sterling City 8NE	3.02
Haskell	4.14	Taylor Ranch	3.78
Hords Creek	M	Telegraph	M
Humble Pump	M	Throckmorton 7NE	1.89
Junction 4SSW	3.79	Trent	M
Lake Abilene 6WNW	3.52	Water Valley	2.55
Lawn	M	Water Valley 11NE	3.31
London 3N	3.04	Winters	2.92
Mason	3.12	Woodson	3.65
Menard	1.41	(M) *Missing data*	
Merkel 12SW	3.85	(T) *Trace*	

Reservoir Conditions (end of September, 2006)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	43,250	62
Lake Stamford	52,700	35,890	70
Hubbard Creek Lake	317,800	160,460	50
Hords Creek Lake	8,800	4,940	61
Lake Brownwood	131,428	98,430	75
E.V. Spence	488,760	75,500	15
O.C. Fisher	119,200	8,680	7
O.H. Ivie	554,340	234,800	42
Twin Buttes	177,800	41,080	23

Hydro Products Issued

FFA = 3
FFW = 2
FFS = 2
FLS = 3 (Urban/Small Stream Advisory)
RVS = 0
FLW = 0
ESF = 2 (Drought Statement)